

Spice

The New High



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The Reader Will Be Able To...

- Define what Spice is.
- List two chemicals that make up spice.
- Recognize two signs of a spice overdose.
- Describe what spice looks like.
- Recall the various types of spice.



NOBLESVILLE, Ind. --

A Noblesville gas station owner has been arrested and accused of selling Spice.

Police said Kamal Singh, 48, was selling the synthetic drug at his Valero Gas Station at 2995 Conner St.

Singh was arrested Thursday and preliminarily charged with four counts of dealing a synthetic cannabinoid, five counts of possession of a synthetic cannabinoid and one count of maintaining a common nuisance.



Source: RTV6

Carmel Overdose:

- Medics were called to a home of a 16-year-old who started to convulse after reportedly taking one hit of "spice." The teenager was taken to St. Vincent Hospital and kept overnight for observation.
- The Carmel Police Department is now investigating the incident for possible charges of possession of synthetic cannabinoids.



Source: www.wthr.com

Data:

- A new survey shows that teens are using synthetic drugs more than ever, even though over 40 states have now banned them. (NIH)
- According to the survey, 11.4% of teens report using synthetic drugs like K2 over the last year. (NIH)
- These drugs started to become popular around 2008 and have caused some serious problems in the past few years—poison control center calls are up to 5,741 this year compared to 2,915 in 2010, says the American Association of Poison Control Centers.



Indiana Data:

- In 2010, the Indiana Poison Center received 149 K2 overdose call.
- In 2011, the Indiana Poison Center received 247 overdose calls on K2.
- The two highest age groups that reported K2 overdose to the Indiana Poison Center from 2010-2011 were:
 - 13-19 year olds
 - 20-29 year olds



Overdose Symptoms Collected By The Indiana Poison Center:

Symptoms	Total Number
Tachycardia (Heart Rate Above 100)	114
Agitated/Irritable	74
Other	40
Vomiting	37
Confusion	38
Drowsiness/Lethargy	33
Hallucinations	21
Hypertension (High Blood Pressure)	21
Dizziness/Vertigo	19
Nausea	14
Seizure	13

Source: Indiana Poison Center 2011

Names:

- The K2 name comes from the second highest mountain in the world



K2 Mountain

- The Spice name comes from the product's similar look to cooking spices



Oregano

What Is K2 Or Spice:

- K2 or “Spice” is a mixture of herbs and spices that is typically sprayed with a synthetic compound chemically similar to THC, the psychoactive ingredient in marijuana. It can also be sprayed with acetone.
- What is in K2:
 - Cannabicyclohexanol
 - JWH-018 4-5 times more powerful than THC
 - JWH-073
 - JWH-200
 - CP-47, 497



Jon W. Huffman:

- Jon W. Huffman a professor of organic chemistry from Clemson University, unwittingly gave rise to the synthetic marijuana phenomenon through his research on the interaction between various drugs and the brain.
- Huffman's research was published and people took the information and started to make this new drug.
- Jon Huffman states that “anybody who uses them is playing Russian roulette. They have profound psychological effects. We never intended them for human consumption.”



Developer Of The Chemicals:

- All packets of spice are not the same. Each packet can have a different combination of chemicals.
- Second generation
 - Called Splice
 - JWH-019
 - JWH-081
 - HW-210



Where Is K2 Sold:

- Sold in tobacco shops, head shops, and gas stations.
- Sold as “incense” marked “not for human consumption”
- Also sold as “fake weed”
- Cost of Spices varies from \$10.00-\$50.00 per gram



How K2 Is Sold:

- Bliss, Black Mamba, Bombay Blue, Blaze, Geine, Spice, Zohai, JWH -018, -073, -250, Yucatan Fire, Skunk and Moon Rocks, Blue
- K2 is typically sold in small, silvery plastic bags of dried leaves and marketed as incense that can be smoked. It is said to resemble potpourri.
- Fruit and mint flavor can also be added to K2 to change the taste.



Aromas And Flavors:

- K2 Aromas
 - Blueberry Haze
 - Geine
 - Pink
 - Citron
 - Blonde
 - Solid Sex
 - Thai Dream
 - Chocolate
 - Demon Passion



Liquid K2:

- K2 e-liquid is the newest way for K2 lovers to enjoy their favorite legal POTpourri. Your room will be filled with the delicious scent of liquid K2 within minutes. Reach the peak of your experience within 15-20 minutes and the results will last for up to two hours. K2 e-liquid is so concentrated and powerful that only ONE tiny drop is needed to get the complete effect you are looking for. One full bottle of K2 e-liquid contains 75 doses, providing up to 150 hours of the POTpourri aroma that you love.
- To get the ultimate K2 experience, use a drop of your favorite scent into any electronic vaporizing device. Use K2 e-liquid at home to relax and unwind after a stressful day. The pleasing aroma will drive the worries away and you can reach a deeper state of peace and meditation than ever before. Bring your K2 e-liquid when you go to a party if you want to enjoy a legal thrill that is the ultimate party enhancer. Buy K2 e-liquid for yourself or order some for a friend. Whether you want to chill at home or spice up the next big rave, K2 e-liquid has the delicious Potpourri experience you crave in one power packed drop.



From a
Liquid
K2 Web
Site

How Is K2 Used:

- K2 products are usually:
 - Smoked in joints
 - Smoked in pipes
 - Mixed with pot
 - Can be used as tea
 - Liquid K2 is put in electric cigarettes



K2 Vs. Marijuana:



K2



Marijuana



The User:

- Teenagers
- Young adults
- People who want the new high
- Marijuana users
- People who want to pass a drug test



Short Term Effects Include:

- Loss of control
 - Lack of pain response
 - Unconsciousness/ coma
 - Increased agitation, pale skin, seizures
 - Vomiting, profuse sweating
 - Uncontrolled spastic body movements,
 - Elevated blood pressure, heart rate and palpitations
 - Dry mouth
 - Increased appetite
-
- The onset of this drug is 3-5 minutes, and the duration of the high is 1-8 hours.



Mental Effects Of K2:

- Dysphasia
- Confusion
- Anxiety
- Agitation
- Severe paranoia
- Delusions
- Hallucinations
- Short-term memory loss
- Panic attacks



Overdose:



Physical Long Term Effects:

- Heart damage
- Uncontrolled seizures
- Brain damage
- More research needs to be completed



Mental Long Term Effects:

- A navy psychiatry resident stated he has seen:
 - Anxiety
 - Depression
 - Paranoia
 - Hallucinations to include seeing “ghosts”
 - Hearing imaginary voices



What To Look For In Teens:

- Dried leaves
- Rolling paper
- Paraphernalia
- Ecigarttes
- Potpourri, incense
- Packages in the mail



Drug Testing:

- Some drug testing labs can test for two chemicals in K2:
 - JWH-018
 - JWH-073
- Some labs can test for Cannabinoids, but not all labs have this ability due to the cost and the chemicals that are in K2



DEA:

- The United States Drug Enforcement Administration (DEA) exercised its emergency scheduling authority to extend, by six months control of five chemicals (JWH-018, JWH-073, JWH-200, CP-47,497 and cannabicyclohexanone) used to make so-called “fake pot” products.
- Except as authorized by law, this action makes possessing and selling these chemicals or the products that contain them illegal in the United States for an additional six months.

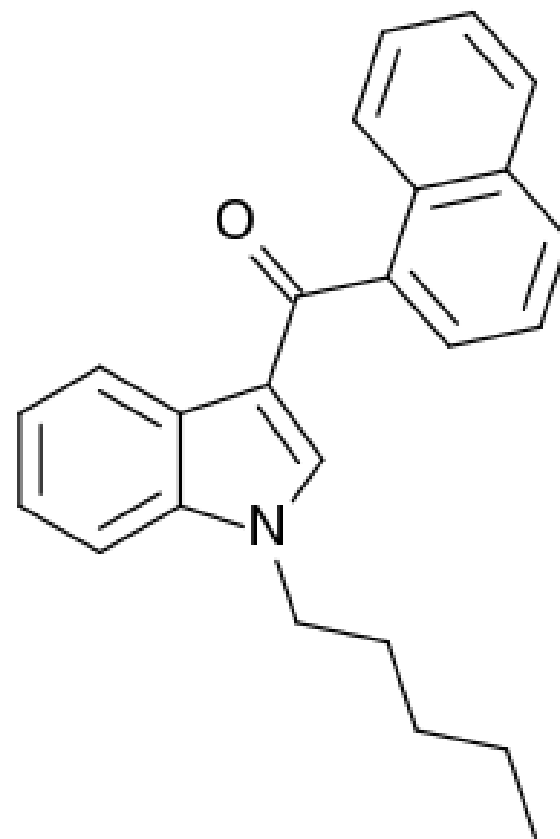


Chemicals That Are Illegal:

- Chemicals that are banned from K2:

- Cannabicyclohexanol
- JWH-018
- JWH-073
- JWH-200
- CP-47, 497

Source: DEA



Indiana Law:

- Defines "synthetic cannabinoid" and makes possessing, dealing in, manufacturing, or delivering a synthetic cannabinoid equivalent to possessing, dealing in, manufacturing, or delivering marijuana, hash oil, or hashish.
- Possession of marijuana, hash oil, or hashish, **or a synthetic cannabinoid** is a Class D felony under IC 35-48-4-11
- To see the law click here [Senate Bill No 448](#)



Treatment:

- Cognitive Therapy
- Behavior Therapy
- Family Therapy
- Motivation Therapy



Sources:

- American Association Of Poison Control Centers
- DEA
- Indiana State Excise Police
- Indiana Poison Center
- Indiana Prevention Resource Center
- Navy Times
- National Institute on Drug Abuse (NIH)
- Regional Drug Free Alliance
- The Partnership At Drugfree.Org

